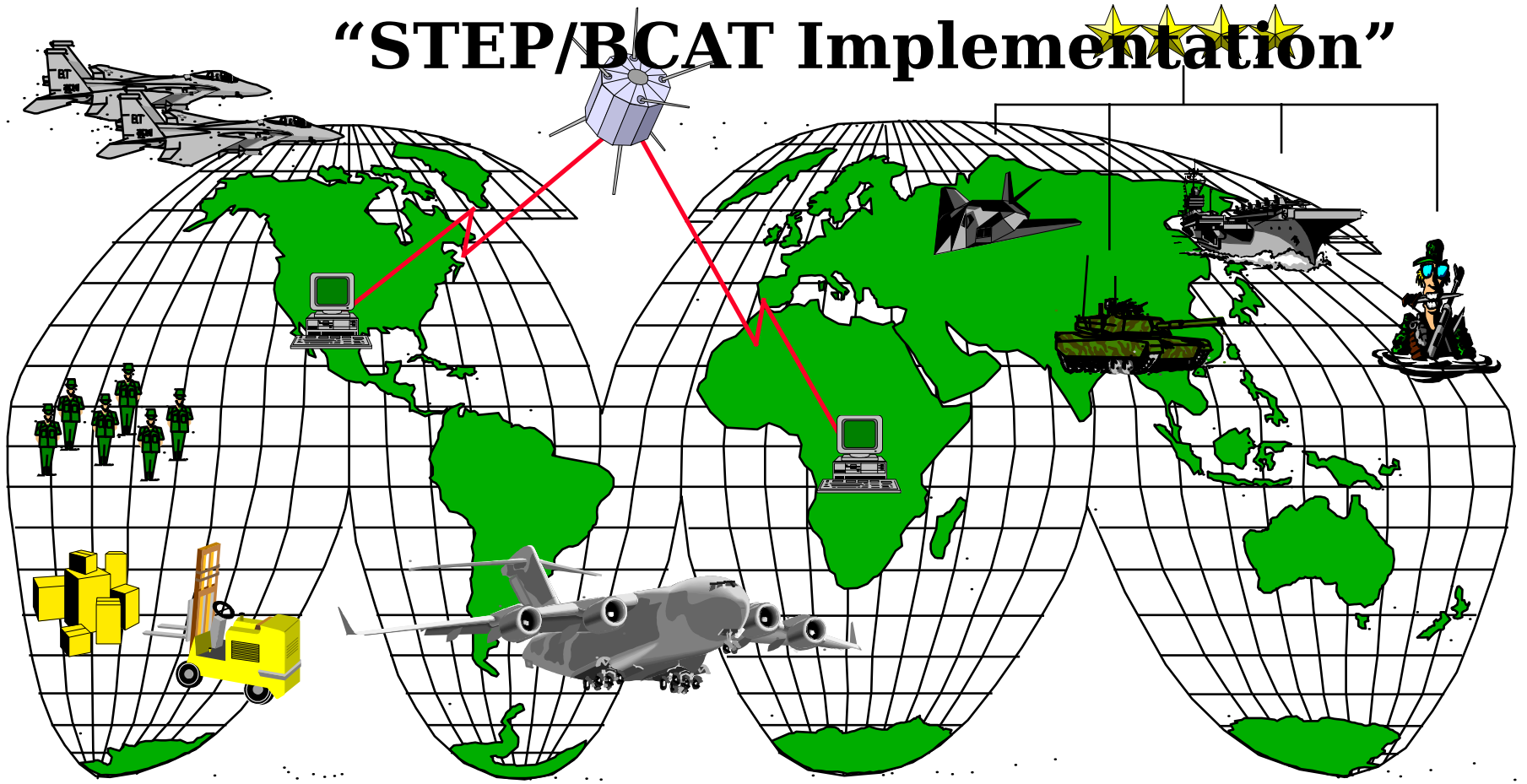
Expeditionary Site Planning (ESP)

"STEP/BCAT Implementation"



Lt Col Engler/AF/ILXS/DSN225-4381

16 Nov 00

Overview

- Vision
- Problem Statement
- Process for Expeditionary Site
- Planning
- LOGCAT CONOPs
- Transition/Fielding Challenges

Vision

"[Focused Logistics] will be *fully adaptive* to the needs of our increasingly dispersed and mobile forces, providing support in hours or days versus weeks." -- **Joint Vision 2010**

"To provide Agile Combat Support, *information technology* must be leveraged to improve command and control which is key to *accurate and timely decisions.*" -- **Global Engagement**

"[Improved crisis action planning] requires procedures, decision aides, *databases*, and other *tools that automate the process* and facilitate *integration of operations, transportation, logistics,* force protection, and other functional areas." --

Problem Statement

“Outdated airfield information complicated basing selection.”
“Basing packages built from limited airfield data and formal site surveys.”

-- Gulf War Air Power Survey ‘93

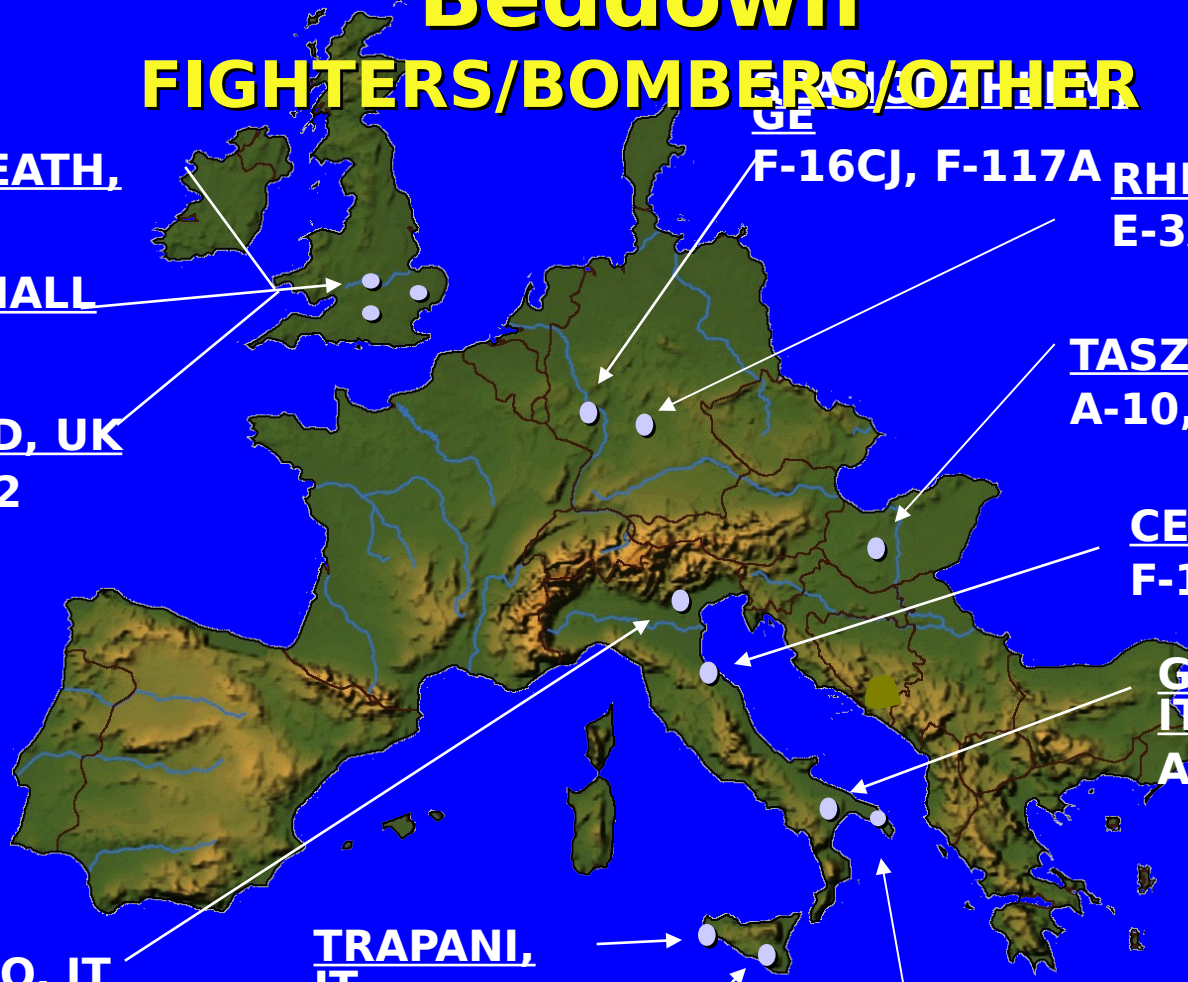
“Needed:

-better information on potential sites
-better survey training and guidance
-improved ability to assess support at sites.”

--Kosovo Lessons Learned ‘99

Sample Large Force Beddown

FIGHTERS/BOMBERS/OTHER



LAKENHEATH, UK
F-15E

MILDENHALL
RC-135

FAIRFORD, UK
B-1B/B-52

CONUS
B-2A

RAMSTEIN, GE
F-16CJ, F-117A

RHEIN-MAIN, GE
E-3A

TASZAR, HU
A-10, F/A-18D

CERVIA, IT
F-15C

GIOIA D' COLLE, IT
A-10

BANDIRMA, TU
F-16CJ

BALIKESIR. TU
F-15E

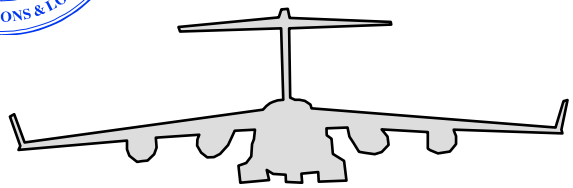
AVIANO, IT
F-16CG EA-6B
F-16CJ F-15E
F-117A EC-130

TRAPANI, IT
A-10

SIGONELLA, IT
U-2

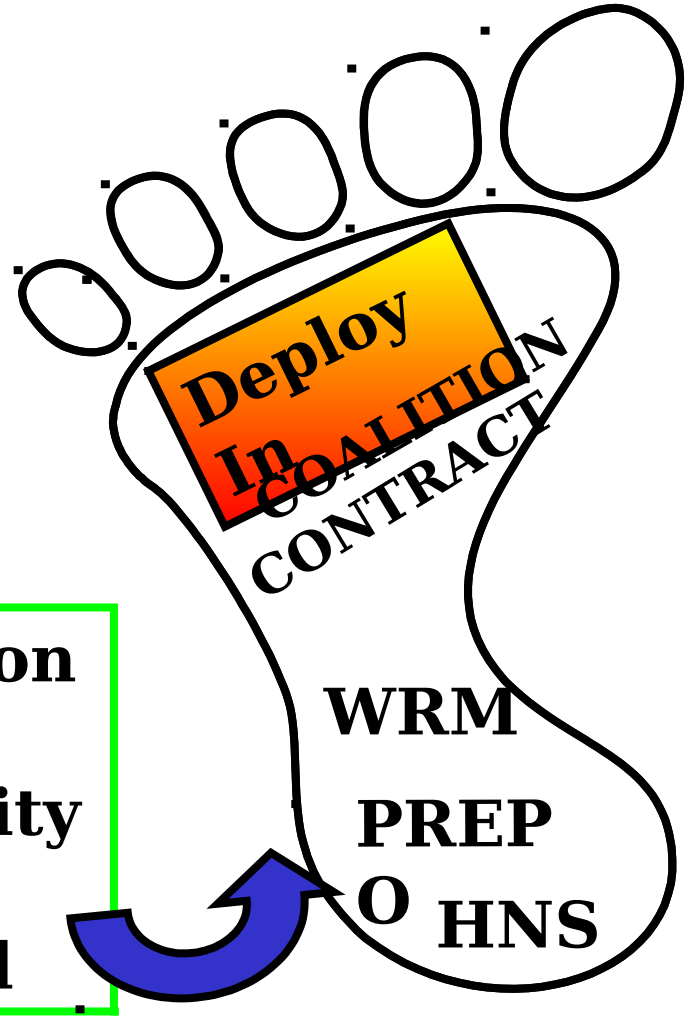
BRINDISI, IT
HC-130
HH-60

Today we create a plan… and then determine if it's feasible

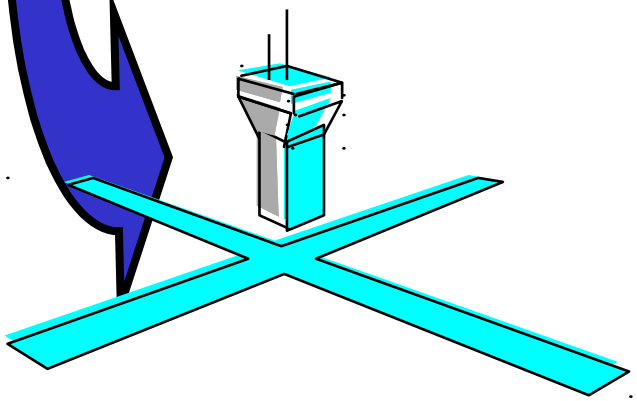


Operational Requirements

Agile Combat Support



Operational Capability
-exists
-created



Being inside the decision window would produce a feasible plan

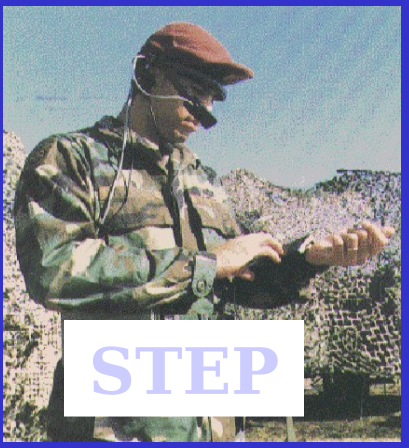
LOGISTICIAN'S CONTINGENCY ASSESSMENT TOOLS

Survey Tool for Employment Planning (STEP)

- automated multimedia tool for collecting site information

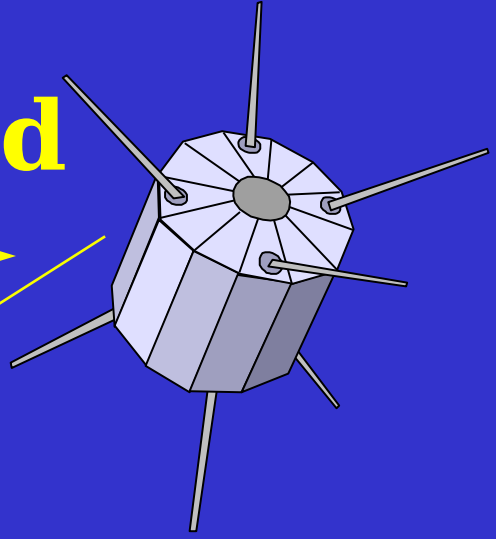
- **Employment Knowledge Base (EKB)**
  - data storage operates off of SIPRNET
- **Beddown Capability Assessment Tool (BCAT)**

Suite of tools to support the



Vision: Integrated Tools

(Data collection and transmission)



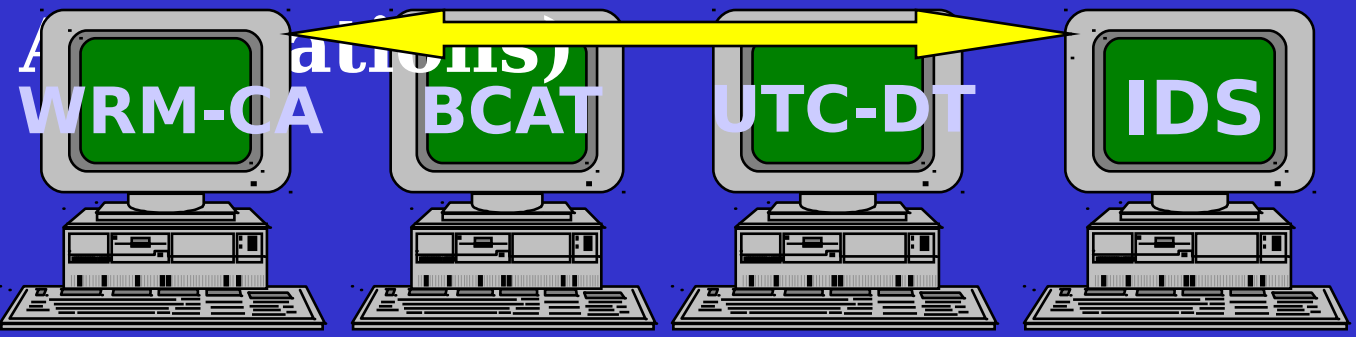
GCCS/GCSS

(Environment)

(Data storage)

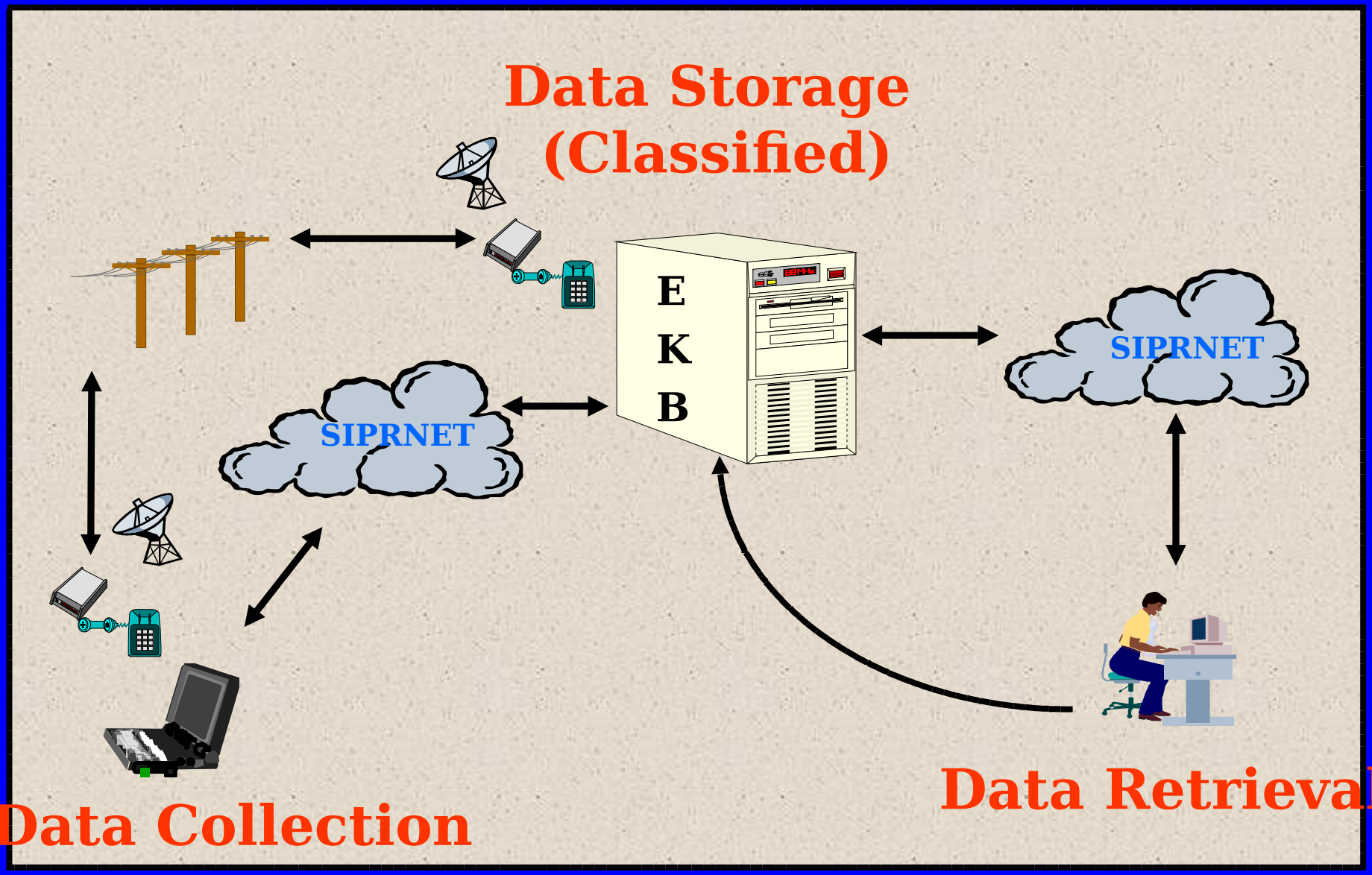
(Data Retrieval--

Applications)



(Collaborati

STEP System CONOPS



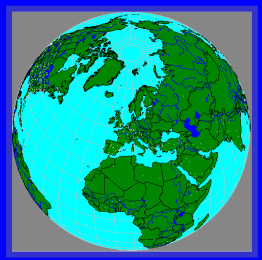
BCAT Beddown Analysis
Generic Schematic

Select Beddown Site

BCAT Auto Pulls Input Data

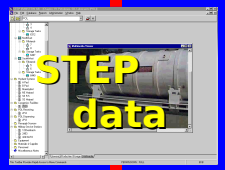
Run BCAT Assessment for Site

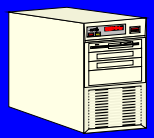
BCAT Assessment Outputs



- All Forces TPFDD
- Air Tasking Order
- Combat Ammunition System
- Defense Fuels Accounting System

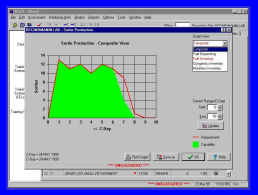
BCAT Machine



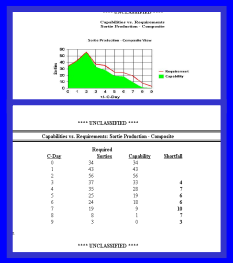


AF EKB Server Gunter Annex, AL

SIPRNET



Screen Outputs



Printed Reports

SIPRNET Conn

Classified Data

STEP and BCAT
Desired Development End States

- STEP
  - Direct AAFIF interface
  - Remote access
  - One time data entry (pen based technology, voice recognition)
  - Completely web enabled
- BCAT
  - Requirements determination (deductive reason)
  - Medical
  - Force Protection
  - Distribution--sustainment of

Involvement with other initiatives

- GeoBase/GeoReach
  - HQ USAF/ILE
- Collaborative Beddown Planner
  - HQ ACC/LGX
- Quick Reaction Site Survey
  - AF Research Lab

Transition/Fielding Challenges

- SIPRNET access
- Paper document to Electronic Database
- GCCS Approval for Baselining

LOGCAT
EXPEDITIONARY SITE PLANNING